

BOROUGH OF LINDENWOLD



STORMWATER POLLUTION PREVENTION PLAN AND MUNICIPAL STORMWATER MANAGEMENT PLAN

PREPARED FOR:

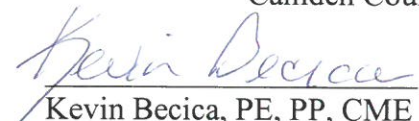
BOROUGH OF LINDENWOLD
2001 Egg Harbor Road
Lindenwold, New Jersey 08043

NJPES NJG0148351
PI ID # 203139
Camden County

DRAFT: MARCH 15, 2005

FINAL: APRIL 11, 2005

REVISED:


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1.0 Regulations Impacting the Borough of Lindenwold

The Borough of Lindenwold contains a Municipal Separate Storm Sewer Systems known as an MS4 and has a population greater than 10,000, therefore it is considered a Tier A municipality under the under the New Jersey Pollution Discharge Elimination System (NJPDES). The regulations for the NJPDES Tier A Permits were issued on February 2, 2004 and became effective March 3, 2004. The municipalities were required to submit a Request for Authorization, known as a RFA on **March 31, 2004** and the permit authorizations were dated April 1, 2004. **April 1, 2004** is known as the effective date of the permit authorization or the EDPA date.

Under Section F.3.b.ii of the Tier A NJPDES Permit, municipalities are required to adopt a municipal stormwater management plan in accordance with NJAC 7:8-4 within 12 months of the effective date of the permit authorization, or by **April 1, 2005**. The municipal stormwater management plan is abbreviated as the **MSWMP**.

Under Section E.2 of the Tier A NJPDES Permit, municipalities are required to prepare and implement a written stormwater pollution prevention plan within 12 months of the effective date of the permit authorization, or by **April 1, 2005**. The municipal stormwater pollution prevention plan is abbreviated as the **SPPP**. The basic SPPP consists of seventeen forms to be completed and implemented by the team members of the pollution prevention team. Maps of the municipality are required to plan the implementation of the pollution prevention plan. The pollution prevention plan completed by April 1, 2005 will be signed and certified and kept on file within the municipality for inspection by NJDEP. The pollution prevention plan forms, maps and lists will become a "living document" that will change through out the year and will track how the pollution prevention plan has been implemented by the municipality.

Under Section F.5 of the Tier A NJPDES Permit and as part of the municipal stormwater pollution prevention plan, the municipality must adopt the **improper disposal of waste ordinances** to prevent pollution from entering the inlets and streams within the municipality by **October 1, 2006**. These ordinances include pet waste, litter control, improper disposal of waste, wildlife feeding, yard waste, and illicit connection ordinances.

Under Section H.3.a of the Tier A NJPDES Permit, Lindenwold is required to file an **Annual Report and Certification** to the New Jersey Department of Environmental Protection on or before **May 2, 2005** and every 12 months thereafter. The Annual Report and Certification shall be maintained by the municipality for a period of five years. The Annual Report and Certification is the only report required to be sent to NJDEP.

Under Section F.3.b.iii of the Tier A NJPDES Permit, municipalities are required to **adopt ordinances** to implement the municipal stormwater management plan 12 months after the adoption of the municipal stormwater plan. In effect, municipalities have 24 months from the effective date of the permit authorization, or by **April 1, 2006** to implement ordinances that set forth exact stormwater management design standards for development and redevelopment.

The municipal plan is required to conform to the regional stormwater management plan and must be reviewed and approved by the County review agency and NJDEP. In Lindenwold, the municipal stormwater management plan and ordinances must be reviewed and approved by Camden County and must conform to the Cooper River Regional Stormwater Management Plan Guidance Document.

Subchapter 4 of NJAC 7:8 sets forth the specific requirements of a Municipal Stormwater Management Plan. The more rigorous planning requirements of the municipal stormwater management plan, **NJAC 7:8-4.2(c)8 and 9** requiring evaluation of the municipalities entire master plan, official map and development regulations, zoning ordinances, projected land use assuming full development, and future non-point source pollutant load assuming full build are required for municipalities with more than one square mile of vacant or agricultural land within the municipality. In addition, the planning evaluations required under subsections 8 and 9 are not required until **February 2, 2006**.

Subchapter 5 of NJAC 7:8 sets forth the groundwater recharge, water quantity, and water quality standards (reduction of total suspended solids). If any exceptions are required from the design and performance standards for development projects submitted to the Planning or Zoning Board, the stormwater management plan identifies mitigation options to offset the exceptions. The Borough of Lindenwold has unique characteristics and the mitigation plan provides the municipality with the power to correct and repair deficiencies that may be creating water quality impairments within various lakes and stream reaches within the Borough.

2.0 Completion Dates of MS4 Tier A Requirements

2.1 Lindenwold Borough – MS4 Tier A Permit Timeline

2.2 NJPDES Municipal Stormwater Regulation Program Summary of Statewide Basic Requirements

Borough of Lindenwold - MS4 Tier A Permit Timeline

[illegible]

NJPDES Municipal Stormwater Regulation Program
Summary of Statewide Basic Requirements (SBRs)
Tier A Municipal Stormwater Permit (NJ0141852)
(Please refer to final permit for details on SBRs)

Statewide Basic Requirement	Minimum Standard	Implementation Schedule
Stormwater Pollution Prevention Plan (SPPP)	SPPP describes the municipality's stormwater program, which includes details on the implementation of required SBRs.	12 months from effective date of permit authorization (EDPA)
Public Notice	Comply with applicable State and local public notice requirements when providing for public participation.	Upon EDPA
Post-Construction Stormwater Management in New Development and Redevelopment		
Stormwater Management Plan	Adopt stormwater management (SWM) plan in accordance with N.J.A.C. 7:8-4.	Complete 12 mos. from EDPA
Stormwater Control Ordinance	Adopt and implement stormwater control ordinance in accordance with N.J.A.C. 7:8-4.	Adopt ordinance 12 months from SWM plan adoption.
Residential Site Improvement Standards	Ensure compliance with Residential Site Improvement Standards for stormwater management (N.J.A.C. 5:21-7), including any exception, waiver, or special area standard approved under N.J.A.C. 5:21-3.	Upon EDPA
BMP Operation and Maintenance	Ensure adequate long-term operation and maintenance of BMPs.	EDPA for BMPs on municipal property, 24 months for BMPs elsewhere.
Storm Drain Inlets Design Standard for New Construction	New storm drain inlets must meet the design standards specified in Attachment C of the permit.	12 months from EDPA if municipally installed. Otherwise 24 mos. from EDPA
Local Public Education		
Local Public Education Program	Copy and distribute educational brochure (provided by the Department) annually to residents and businesses, and conduct a yearly educational "event". Have brochure available at this event.	Start 12 months from EDPA
Storm Drain Labeling	Label all municipal storm drain inlets that are next to sidewalks, or within plazas, parking areas or maintenance yards. Coordinate efforts with watershed groups and volunteer organizations.	Within 60 months from EDPA
Improper Disposal of Waste		
Pet Waste Ordinance	Adopt and enforce an ordinance requiring owners and keepers to immediately and properly dispose of their pet's solid waste. Distribute information with pet licenses regarding the ordinance and the environmental benefits of proper disposal of pet waste.	Complete 18 mos. and ongoing
Litter Ordinance	Adopt and enforce a litter ordinance, or enforce the existing State litter statute (N.J.S.A. 13:1E-99.3).	Complete 18 mos. and ongoing
Improper Waste Disposal Ordinance	Adopt and enforce an ordinance prohibiting spilling, dumping or disposal of any materials other than stormwater into the MS4.	Complete 18 mos. from EDPA and ongoing

Wildlife Feeding Ordinance	Adopt and enforce an ordinance that prohibits feeding of non-confined wildlife in any public park or property owned/operated by the municipality (except environmental education centers).	Complete 18 months from EDPA and ongoing
Yard Waste	Adopt and enforce an ordinance that prohibits placing non-containerized yard waste in the street, OR collect yard waste monthly Oct.-Dec., once in spring, and "as needed" during remainder of year. Non-containerized yard waste cannot be placed any closer than 10' from a storm drain inlet.	Start 18 months from EDPA and ongoing
Illicit Connection Ordinance	Develop, implement and enforce a ordinance, to the extent allowable under State law, to prohibit illicit connections to the MS4.	Develop & implement 18 months from EDPA
Illicit Connection Elimination Program	Develop, implement and enforce a program to detect and eliminate illicit connections into the municipality's small MS4.	Develop & implement 18 months from EDPA
MS4 Outfall Pipe Mapping	Map all municipal storm sewer outfall pipes which discharge to surface water by dividing the municipality into two sectors for the purposes of outfall mapping.	Map 1 st sector 36 mos. from EDPA. Map 2 nd sector 60 mos. from EDPA
Solids and Floatable Controls		
Street Sweeping	In predominantly commercial areas, conduct monthly sweeping of curbed streets, roads and highways (with a speed limit ≤ 35 mph), weather and street surface conditions permitting.	Start 12 months from EDPA and ongoing
Storm Drain Inlet Retrofitting	Retrofitting of storm drain inlets during road repair, reconstruction, alterations or repaving with inlets that meet the design standards specified in Attachment C of the permit.	Start 12 months from EDPA and ongoing
Stormwater Facility Maintenance	Develop and implement a stormwater facility maintenance program that includes yearly catch basin cleaning and ensures proper function and operation of all municipally operated stormwater facilities.	Start 12 months from EDPA and ongoing
Road Erosion Control Maintenance	Develop a roadside erosion control maintenance program to identify and stabilize roadside erosion. Make repairs in accordance with the Standards for Soil Erosion and Sediment Control in New Jersey (N.J.A.C. 2:90-1).	Start 18 months from EDPA and ongoing
Outfall Pipe Stream Scouring Remediation	Develop and implement a stormwater outfall pipe scouring detection, remediation and maintenance program to identify and stabilize localized stream and stream bank scouring in the vicinity of outfall pipes operated by the municipality. Repairs shall be in accordance with the Standards for Soil Erosion and Sediment Control in New Jersey (N.J.A.C. 2:90-1).	Start 18 months from EDPA and ongoing
Maintenance Yard Operations		
De-icing Material Storage	Construct permanent indoor storage with an impermeable floor for deicing materials. Seasonal tarping shall be used as an interim BMP until the permanent structure is completed. Uncovered sand may be stored outside if a 50' setback is maintained from any storm sewer inlet.	Comply w/ tarping & sand storage requirements w/in 12 mos, complete perm. structure w/in 36 mos. from EDPA.
Fueling Operations	Develop and implement SOPs for vehicle fueling and bulk delivery and implement with the required practices contained in Attachment D of the permit.	Start 12 months from EDPA and ongoing
Vehicle Maintenance	Implement required practices for vehicle maintenance contained in Attachment D of the permit.	Start 12 mos. from EDPA & ongoing
Good Housekeeping	Implement required practices for good housekeeping, contained in Attachment D of the permit.	Start 12 mos. from EDPA & ongoing
Employee Training		
Employee Training	Develop and conduct an employee training program for appropriate employees that covers the required topics contained in the permit.	Start 12 mos. from EDPA & ongoing

3.0 Lindenwold Stormwater Pollution Prevention Plan

NJPDES #: NJG0148351

PI ID #: 203139

Tier A Municipal Stormwater Regulation Program

Stormwater Pollution Prevention Team Members

Number of team members may vary.

Completed by: Kevin Becica

Title: Stormwater Specialist

Date: 02/14/05

Municipality: Lindenwold

County: Camden

NJPDES #: NJG0148351

PI ID #: 203139

Stormwater Program Coordinator: Robert E. Lodovici

Title: Director of Public Works

Office Phone #: 856-783-1848

Emergency Phone #: 856-784-7566

Public Notice Coordinator: Jane E. Barber, RMC, VRS

Title: Borough Clerk

Office Phone #: 783-1212

Emergency Phone #: 856-784-7566

Post-Construction Stormwater Management Coordinator: Robert E. Lodovici

Title: Director of Public Works

Office Phone #: 856-783-1848

Emergency Phone #: 856-784-7566

Local Public Education Coordinator: Nancy

Title: Secretary, Environmental Commission

Office Phone #: 856-783-2121

Emergency Phone #: 856-784-7566

Ordinance Coordinator: John Kearney, Esquire

Title: Borough Attorney

Office Phone #: 547-7733

Emergency Phone #: _____

Public Works Coordinator: Robert E. Lodovici

Title: Director of Public Works

Office Phone #: 856-783-1848

Emergency Phone #: 856-784-7566

Employee Training Coordinator: Kevin Becica, PE

Title: Environmental Resolutions, Inc.

Office Phone #: 856-235-7170

Emergency Phone #: 856-784-7566

Other: Phil Beeler

Title: Director- Lindenwold Sewer Authority

Office Phone #: 784-4400

Emergency Phone #: _____

SPPP Form 2 - Public Notice

Municipality
Information

Municipality: Borough of Lindenwold

County: Camden

NJPDES # : NJG0148351

PI ID #: 203139

Team Member/Title: Jane E. Barber, RMC, VRS, Township Clerk

Effective Date of Permit Authorization (EDPA): 4/1/04

Date of Completion: 2/14/05

Date of most recent update: 3/29/05

Briefly outline the principal ways in which you comply with applicable State and local public notice requirements when providing for public participation in the development and implementation of your stormwater program.

For meetings where public notice is required under the Open Public Meetings Act ("Sunshine Law", NJAC 10:4-6 et seq.), the Borough of Lindenwold provides public notice in compliance with that regulation. Notice is provided in the two newspapers, the Courier Post and the Lindenwold Legend. In addition all public meetings are accessible to the public through the Borough website at www.lindenwoldnj.com.

For the adoption of the Municipal Stormwater Management Plan and other municipal actions, the Borough of Lindenwold complies with the public notice requirements of Municipal Law land use (NJSA 40:55-1 et seq)

For the adoption of stormwater management ordinances and where ordinances must be read and adopted, the Borough of Lindenwold complies with the requirements of NJSA 40:49-1 et seq.

SPPP Form 3 – New Development and Redevelopment Program

Municipality Information	Municipality: <u>Borough of Lindenwold</u>	County: <u>Camden</u>
	NJPDES # : <u>NJG0148351</u>	PI ID #: <u>203139</u>
	Team Member/Title: <u>Robert E. Lodovici, Director of Public Works</u>	
	Effective Date of Permit Authorization (EDPA): <u>4/1/04</u>	
	Date of Completion: <u>1/18/05</u>	Date of most recent update: <u>3/29/05</u>

Describe in general terms your post-construction stormwater management in new development and redevelopment program (post-construction program), and how it complies with the Tier A Permit minimum standard. This description must address compliance with the Residential Site Improvement Standards for stormwater management; ensuring adequate long-term operation and maintenance of BMPs (including BMPs on property that you own or operate); design of storm drain inlets (including inlets that you install); and preparation, adoption, approval, and implementation of a municipal stormwater management plan and municipal stormwater control ordinance(s). Attach additional pages as necessary. Some additional specific information (mainly about that plan and ordinance(s)) will be provided in your annual reports.

To control stormwater from new development and redevelopment projects throughout the Borough of Lindenwold (including projects we operate) we will do the following:

We are already ensuring that all new residential development and redevelopment projects that are subject to the Residential Standards for stormwater management (including the NJDEP Stormwater Management rules, N.J.A.C. 7:8, referenced in those standards) are in compliance with those standards. Our planning and zoning boards ensure such compliance before issuing preliminary or final subdivision or site plan approvals under the Municipal Land Use Law.

Since the EDPA, the Borough of Lindenwold has not constructed any municipal projects. All future projects will have storm drain inlets in conformance with Attachment C of the permit. If we decide to construct a project that includes stormwater management facilities before our municipal stormwater control ordinance takes effect, we will ensure adequate long-term operation and maintenance of BMPs for that project by requiring and funding the implementation of BMP's for that project. Once the ordinance takes effect, we will ensure such operation and maintenance for any new development or redevelopment projects on our property by complying with the maintenance requirements in that ordinance.

Our planning board and municipal attorney will review Borough Municipal Stormwater Management Plan for conformance to the sample in the BMP manual. We will submit the plan to the Camden County planning agency staff to discuss conformance to the County plan. We will also submit the plan to the DRBC for conformance to the Delaware River Basin Commission plan. The Municipal Stormwater Management Plan plan is anticipated to be adopted by our Planning Board by April 11, 2005.

SPPP Form 4- Local Public Education Program

Municipality
Information

Municipality: Borough of Lindenwold County Camden

NJPDES # : 0148351 PI ID #: 203139

Team Member/Title: Lindenwold Environmental Commission & Robert E. Lodovici

Effective Date of Permit Authorization (EDPA): 4/1/04

Date of Completion: 2/14/05 Date of most recent update: 3/29/05

Local Public Education Program

Describe your Local Public Education Program. Be specific on how you will distribute your educational information, and how you will conduct your annual event. Attach additional pages with the date(s) of your annual mailing and the date and location of your annual event.

For our annual distribution, we will mail the DEP brochure to our residents and businesss through the Lindenwold Legend. The Lindenwold Legend is distributed to every household in the Borough quarterly throughout the year. Extra copies are available at the library and at our municipal building.

Our annual Lindenwold Day is held each yearon the last Saturday in September in coordination with Borough Council and the Lindenwold Environmental Commission. A brochure of the DEP stormwater material and other educational materials will be made available to the public at the Arts festival. A photograph will be taken at the annual event to document the distribution. Theeducation material was distributed in September of 2004.

The Lindenwold Environmental Commission will participate in interacting with the local public education proccess and reaching out to the schools, scouts and other environmental groups to educate the public and increase awareness in water quality issues.

Solutions to Stormwater Pollution

Easy Things You Can Do Every Day To Protect Our Water

A Guide to Healthy Habits for Cleaner Water

Pollution on streets, parking lots and lawns is washed by rain into storm drains, then directly to our drinking water supplies and the ocean and lakes our children play in. Fertilizer, oil, pesticides, detergents, pet waste, grass clippings: You name it and it ends up in our water.

Stormwater pollution is one of New Jersey's greatest threats to clean and plentiful water, and that's why we're all doing something about it.

By sharing the responsibility and making small, easy changes in our daily lives, we can keep common pollutants out of stormwater. It all adds up to cleaner water, and it saves the high cost of cleaning up once it's dirty.

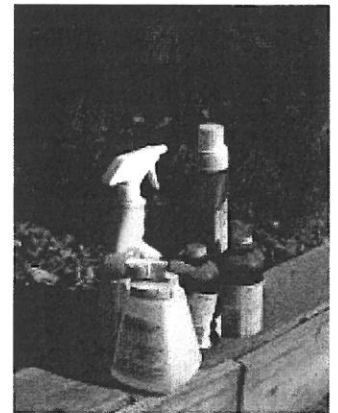
As part of New Jersey's initiative to keep our water clean and plentiful and to meet federal requirements, many municipalities and other public agencies including colleges and military bases must adopt ordinances or other rules prohibiting various activities that contribute to stormwater pollution. Breaking these rules can result in fines or other penalties.



As a resident, business, or other member of the New Jersey community, it is important to know these easy things you can do every day to protect our water.

Limit your use of fertilizers and pesticides

- Do a soil test to see if you need a fertilizer.
- Do not apply fertilizers if heavy rain is predicted.
- Look into alternatives for pesticides.
- Maintain a small lawn and keep the rest of your property or yard in a natural state with trees and other native vegetation that requires little or no fertilizer.
- If you use fertilizers and pesticides, follow the instructions on the label on how to correctly apply it.



Make sure you properly store or discard any unused portions.

Properly use and dispose of hazardous products

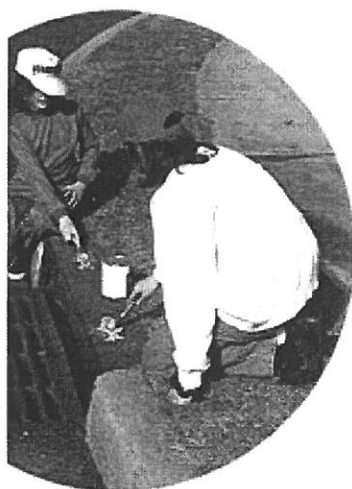
- Hazardous products include some household or commercial cleaning products, lawn and garden care products, motor oil, antifreeze, and paints.
- Do not pour any hazardous products down a storm drain because storm drains are usually connected to local waterbodies and the water is not treated.

- If you have hazardous products in your home or workplace, make sure you store or dispose of them properly. Read the label for guidance.

- Use natural or less toxic alternatives when possible.

- Recycle used motor oil.

- Contact your municipality, county or facility management office for the locations of hazardous-waste disposal facilities.



Keep pollution out of storm drains

- Municipalities and many other public agencies are required to mark certain storm drain inlets with messages reminding people that storm drains are connected to local waterbodies.

- Do not let sewage or other wastes flow into a stormwater system.

Clean up after your pet

- Many municipalities and public agencies must enact and enforce local pet-waste rules.

- An example is requiring pet owners or their keepers to pick up and properly dispose of pet waste dropped on public or other people's property.

- Make sure you know your town's or agency's requirements and comply with them. It's the law. And remember to:

- Use newspaper, bags or pooper-scoopers to pick up wastes.

- Dispose of the wrapped pet waste in the trash or unwrapped in a toilet.

- Never discard pet waste in a storm drain.

Don't feed wildlife

- Do not feed wildlife, such as ducks and geese, in public areas.

- Many municipalities and other public agencies must enact and enforce a rule that prohibits wildlife feeding in these areas.



Don't litter

- Place litter in trash receptacles.

- Recycle. Recycle. Recycle.

- Participate in community cleanups.

Dispose of yard waste properly

- Keep leaves and grass out of storm drains.

- If your municipality or agency has yard waste collection rules, follow them.

- Use leaves and grass clippings as a resource for compost.

- Use a mulching mower that recycles grass clippings into the lawn.



Contact information

For more information on stormwater related topics, visit www.njstormwater.org or www.nonpointsource.org

Additional information is also available at U. S. Environmental Protection Agency Web sites www.epa.gov/npdes/stormwater or www.epa.gov/nps

New Jersey Department of Environmental Protection
Division of Water Quality
Bureau of Nonpoint Pollution Control
Municipal Stormwater Regulation Program
(609) 633-7021



April 2004

Pet Waste Pollutes Our Waters

What You Can Do To Help Protect Our Water

Clean and plentiful water is important to our families, our environment, our economy and our quality of life.

Did you know that animal waste from pets can pollute our waters? When left on the ground, pet waste is washed by rain and melting snow and ice into storm drains that carry it to our rivers, lakes, the ocean and drinking water.

Animal waste contains a high concentration of nutrients as well as bacteria and disease-causing microorganisms that can cause problems.

What you can do

Pet owners or anyone who takes your pet for walks must properly dispose of the waste by picking it up, wrapping it and either placing it in the trash or flushing it unwrapped down the toilet.

Your municipality is required to adopt and enforce local pet-waste laws. At a minimum, your community must require that pet owners or their keepers **immediately** and **properly** dispose of their pet's solid waste deposited on **any public or private property not owned or possessed by that person**. People with assistance animals such as Seeing Eye dogs are exempt.

Make sure you know what your municipality requires – and follow it.

Thank you for doing your part to keep New Jersey's waters clean.

For more information, please contact the following:

New Jersey Department of Environmental Protection
Division of Water Quality
Bureau of Nonpoint Pollution Control
Municipal Stormwater Regulation Program
(609) 633-7021



Visit www.njstormwater.org or www.nonpointsource.org

Additional information is also available at U. S.
Environmental Protection Agency Web sites
www.epa.gov/npdes/stormwater or www.epa.gov/nps



SPPP Form 5 – Storm Drain Inlet Labeling

Municipality
Information

Municipality: Borough of Lindenwold County Camden

NJPDES # : 0148351 PI ID #: 203139

Team Member/Title: Lindenwold Environmental Commission & Robert E. Lodovici

Effective Date of Permit Authorization (EDPA): 4/1/04

Date of Completion: 2/14/05 Date of most recent update: 3/29/05

Storm Drain Inlet Labeling

Describe your storm drain inlet labeling program, including your labeling schedule, the details of your long-term maintenance plan, and plans on coordinating with watershed groups or other volunteer organizations.

Our public works department will be performing the storm drain inlet labeling program. We will label all storm drain inlets that are along municipal streets with sidewalks, and all storm drain inlets within plazas, parking areas or maintenance yards that are operated by the Borough of Lindenwold.

Labeling will be done by the Public Works Department we will stencils ordered from Earthwater Stencils, Ltd and metal storm drain labels ordered from Almetek Industries, Inc. will be applied using screws or adhesive. If requested, volunteer organizations will be able to use either of the painted stencils to label inlets and meet the requirements. The Borough will monitor the time it takes to install the inlet labels, determine how long the painted stenciled inlets last and evaluate the labeling plan each year.

The attached map shows all the inlets in the Borough of Lindenwold and divides the Borough into two sectors. Sector A is the area west of the White Horse Pike. Sector A represents 50% of the municipality and inlet labeling will be completed in Sector A by April 1, 2007 in conformance with the permit requirements. Sector B is the area east of the White Horse Pike and represents the remaining 50% of Medford Township. Inlet labeling will be completed in Sector B by April 1, 2009. A Storm Drain Map along with a list of all inlets by street is attached.

During our annual catch basin cleaning program, the label condition will be checked to ensure that they are still visible, and if they are not, the labels will be corrected.

STORMWATER POLLUTION PREVENTION PLAN (SWPPP)

Form 6 - MS4 Outfall Pipe Mapping

Municipality: Borough of Lindenwold, Camden County, New Jersey

NJPDES # 384632/P1 ID # 28312

Team Member/Title: John J. Lohrke, Public Works Director

Effective Date of Permit: 1/1/2007 (EDPA) 1/1/2007

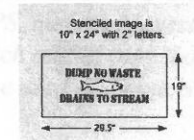
Date of Completion: 1/1/2007 Date of most recent update: 1/1/2007



Legend

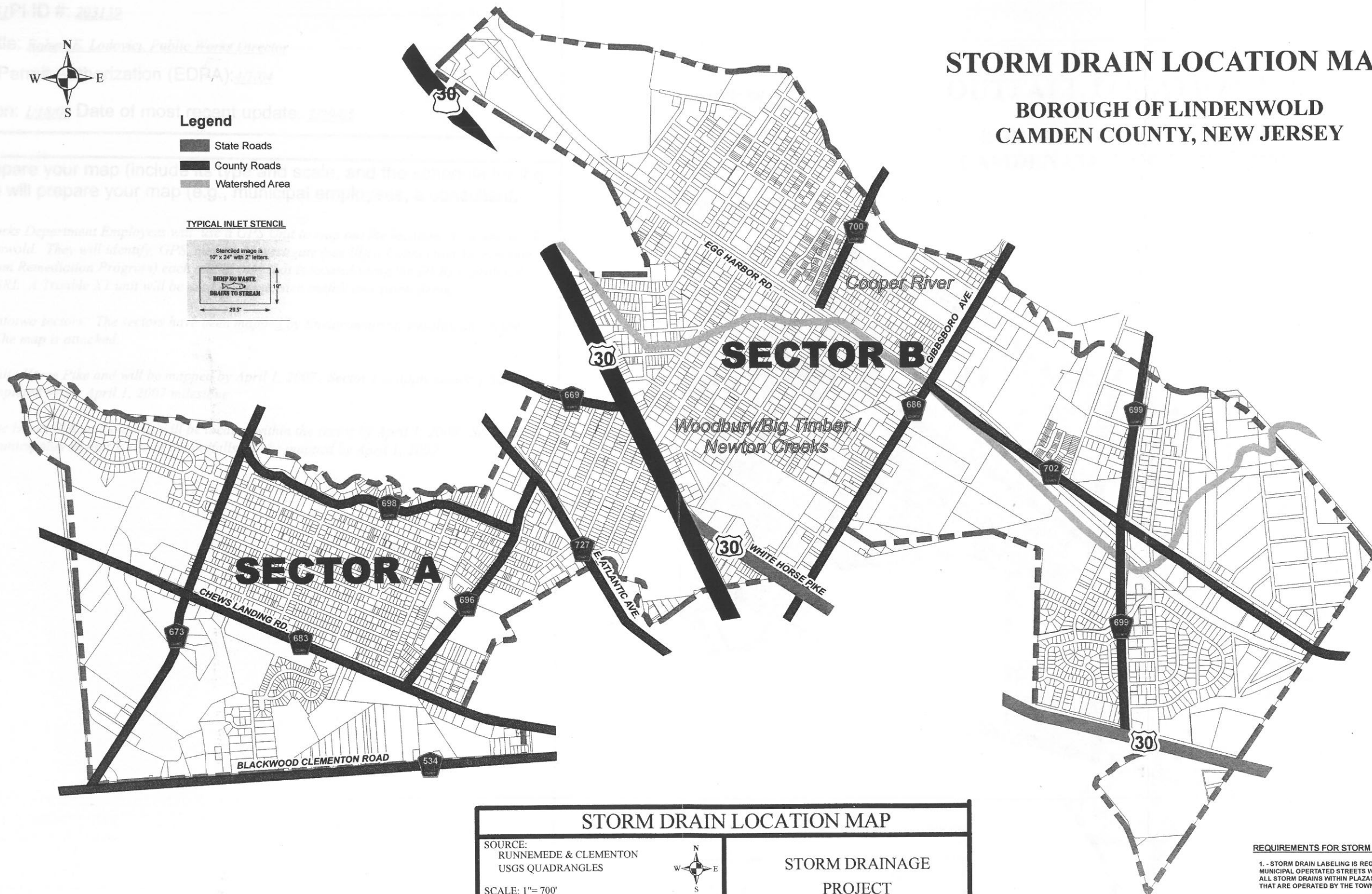
- State Roads
- County Roads
- Watershed Area

TYPICAL INLET STENCIL



STORM DRAIN LOCATION MAP

BOROUGH OF LINDENWOLD
CAMDEN COUNTY, NEW JERSEY



STORM DRAIN LOCATION MAP

SOURCE:
RUNNEMEDE & CLEMENTON
USGS QUADRANGLES

SCALE: 1" = 700'

ENVIRONMENTAL RESOLUTIONS, INC.
ENGINEERS, SCIENTISTS & PLANNERS
525 FELLOWSHIP ROAD, SUITE 300
MT. LAUREL, NEW JERSEY 08054-1719



STORM DRAINAGE
PROJECT
BOROUGH OF LINDENWOLD
CAMDEN COUNTY, NEW JERSEY

REQUIREMENTS FOR STORM DRAIN LABELING

1. - STORM DRAIN LABELING IS REQUIRED FOR ALL STORM DRAINS ALONG MUNICIPAL OPERATED STREETS WHERE SIDEWALK IS PRESENT, AND ALL STORM DRAINS WITHIN PLAZAS, PARKING AREAS OR MAINTENANCE YARDS THAT ARE OPERATED BY THE TOWNSHIP.
2. - 50% OF THE STORM DRAIN LABELING MUST BE COMPLETED BY APRIL 1, 2007 OR 36 MONTHS FROM EFFECTIVE DATE OF PERMIT (EDPA) AND IS SHOWN AS SECTOR A.
3. - 100% OF THE STORM DRAIN LABELING MUST BE COMPLETED BY APRIL 1, 2009 OR 60 MONTHS FROM EFFECTIVE DATE OF PERMIT (EDPA) AND IS SHOWN AS SECTOR B.

0 350 700 1,400 2,100 2,800 Feet

THIS MAP IS FILED WITH FORM 5 OF THE SWPPP.

SPPP Form 6 – MS4 Outfall Pipe Mapping

Municipality
Information

Municipality: Borough of Lindenwold County Camden

NJPDES # : 0148351 PI ID #: 203139

Team Member/Title: Robert E. Lodovici, Public Works Director

Effective Date of Permit Authorization (EDPA): 4/1/04

Date of Completion: 1/18/05 Date of most recent update: 3/29/05

Explain how you will prepare your map (include its type and scale, and the schedule for the mapping process). Who will prepare your map (e.g., municipal employees, a consultant, etc.)?

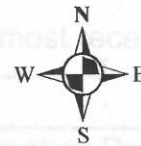
The Borough of Lindenwold Works Department Employees will use a GPS Unit to map out the location of the end of all outfall pipes operated by Lindenwold. They will identify, GPS, map and investigate (see Illicit Connection Elimination Program and Outfall Pipe Stream Remediation Program) each outfall pipe that is located using the DVRPC protocol developed in conjunction with ESRI. A Trimble XT unit will be used to locate each outfall and storm drain.

Lindenwold has been divided into two sectors. The sectors have been mapped by Environmental Resolutions on the Storm Drain and Outfall map. The map is attached.

Sector A is the area west of White Horse Pike and will be mapped by April 1, 2007. Sector 1 is approximately 50% of the municipality and will be completed by the April 1, 2007 milestone.

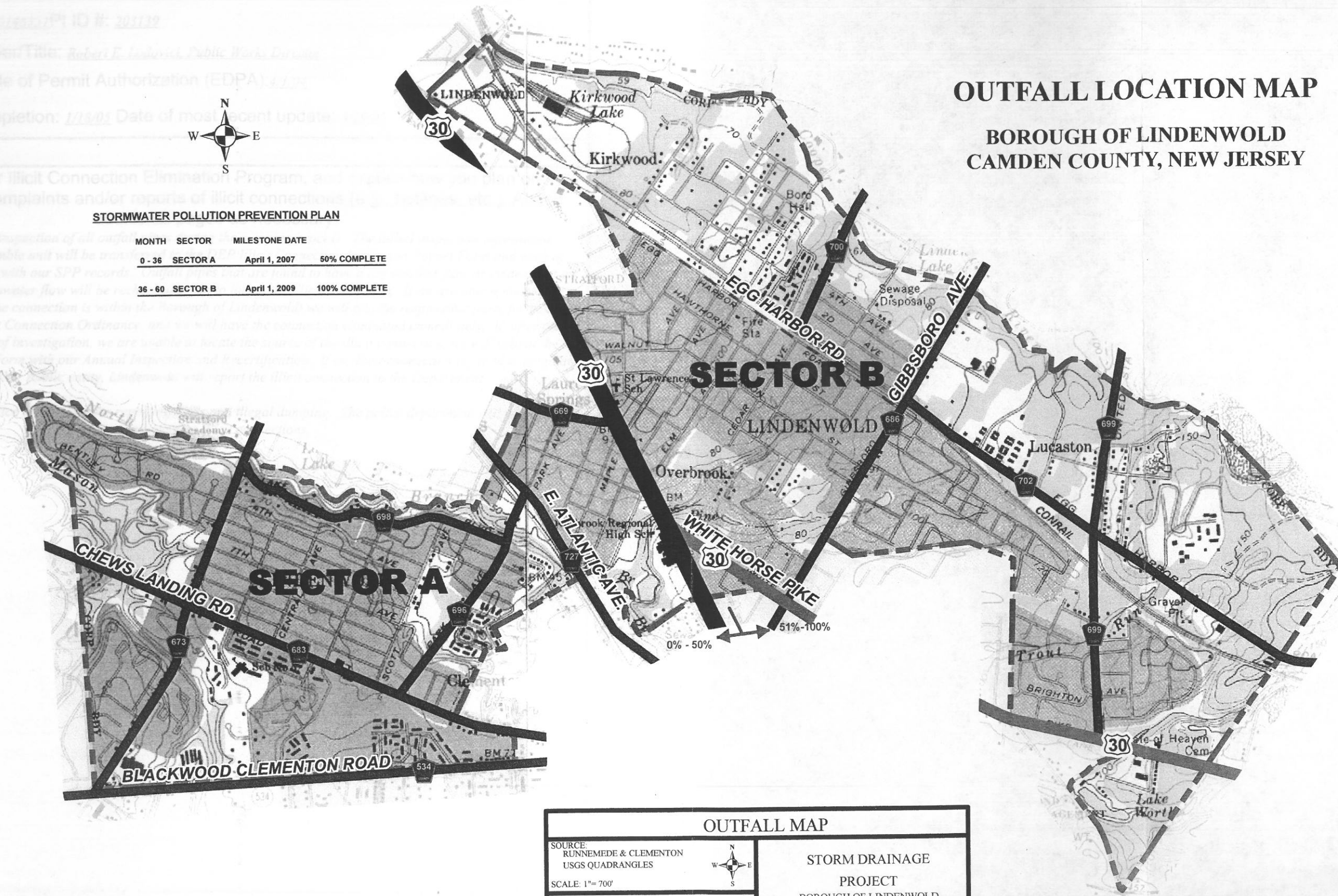
Sector 2 is the area west of White Horse Pike and outfalls will be located within the sector by April 1, 2009. Sector 2 represent the final 50% of the municipality so that 100% of the outfalls will be mapped by April 1, 2009.

STORMWATER POLLUTION PREVENTION PLAN (SWPPP)



STORMWATER POLLUTION PREVENTION PLAN

MONTH	SECTOR	MILESTONE DATE	
0 - 36	SECTOR A	April 1, 2007	50% COMPLETE
36 - 60	SECTOR B	April 1, 2009	100% COMPLETE



OUTFALL LOCATION MAP

BOROUGH OF LINDENWOLD
CAMDEN COUNTY, NEW JERSEY

OUTFALL MAP

SOURCE:
RUNNEMEDE & CLEMENTON
USGS QUADRANGLES

SCALE: 1" = 700'

ENVIRONMENTAL RESOLUTIONS, INC.
ENGINEERS, SCIENTISTS & PLANNERS
525 FELLOWSHIP ROAD, SUITE 300
MT. LAUREL, NEW JERSEY 08054-1719



STORM DRAINAGE
PROJECT
BOROUGH OF LINDENWOLD
CAMDEN COUNTY, NEW JERSEY

0 337.5 675 1,350 2,025 2,700 Feet

THIS MAP IS FILED WITH FORM 6 OF THE SWPPP.